



FIRE CREW FIREFIGHTER TRAINING

Procedures Handbook 4200

ORIENTATION TO WATER
AND HOSE USE

TOPIC: HOW TO MAKE A PROGRESSIVE HOSE LAY (FIRE CREW)

TIME FRAME: 2:00

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: Given 1000 feet of 1 ½" hose, 500 feet of 1" hose, one 1 1/2" nozzle, five 1" nozzles, five in-line hose tee's, one hose clamp, two spanner wrenches - 1 ½", and a water source with a 1 ½" connection

Behavior: The fire crew will complete a 1000 foot progressive hose lay, with laterals

Standard: With a minimum of 70% accuracy, within 15 minutes, according to the job breakdown

MATERIALS NEEDED:

- Job breakdown
- Hose (1000 feet - 1 ½") (500 feet - 1")
- Nozzles (1 - 1 ½") (5 - 1")
- Five in-line hose tee's
- One hose clamp
- Two spanner wrenches - 1 ½"
- Water source - 1 ½"
- Fire tools
- Flagging
- One set full wildland PPE per student
- One stop watch

REFERENCES: CDF Fire Protection Training Handbook 4300

PREPARATION: Hand crews are an excellent resource to utilize in making a long progressive hoselay. The ability to complete the hoselay in a safe and timely manner can result in a significant saving of property and the reduction of civilian injury or death.



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OPERATIONS	KEY POINTS
1. Captain briefs crew	1a. Safety aspects b. Escape routes c. Weather d. Fire Direction e. Footing f. Avoiding pinching hose g. Avoiding pinching fingers h. Using proper lifting techniques i. Tooling up crew (optional)
2. Captain designates assignments	2a. Nozzle person b. Clamp/Brass person c. Hose handlers
START TIME	
3. Hose handler unrolls 100 foot length of 1 1/2 inch hose	3a. Removing rubber band b. Using "bowling ball", underhand c. Unrolling hose away from water supply d. Not into heavy brush or towards fire
4. Hose handler hands male coupling to nozzle person	4a. For nozzle connection
5. Hose handler hands female coupling to Clamp/Brass person	5a. For connection to discharge
6. Clamp/Brass person inspects female coupling	6a. Checking for gasket b. Checking threads for damage and cleanliness
7. Clamp/Brass person connects female coupling to discharge	7a. Snugly b. Hand tight
8. Nozzle person inspects nozzle	8a. Checking for coupling gasket b. Checking threads



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9. Nozzle person connects nozzle to hose	9a. Hand tight
10. Nozzle person states: " CHARGE LINE "	10a. Loudly b. To pump operator
11. Clamp/Brass persons states: " WATER "	11a. Loudly b. Opening discharge
12. Nozzle person opens nozzle and makes a wet line	12a. From anchor point b. Varying spray pattern c. Down and parallel to fire line d. Using straight stream to cool down ahead
13. Clamp/Brass person and hose handlers pull hose	13a. For nozzle person b. Advancing hoseline c. Until fully extended
14. Hose handler drops and drags 1 1/2 inch hose	14a. Starting at just completed coupling b. Following nozzle until needed
15. Nozzle person sprays water	15a. On fire edge b. While advancing hoseline
16. Clamp/Brass person calls: " HOSE "	16a. Loudly b. When 10 feet to end of length c. Leaving slack in hoseline
17. Nozzle person stops advancing	17a. Closing nozzle
18. Hose handler unrolls length of hose	18a. Parallel to charged hoseline
19. Nozzle person calls: " CLAMP HOSE "	19a. Loudly
20. Clamp/Brass person clamps hose	20a. 10 feet behind nozzle b. Avoiding pinching hose c. Stopping water flow



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OPERATIONS	KEY POINTS
21. Clamp/Brass person states: "CLAMPED"	21a. Loudly b. When hose is clamped
22. Nozzle person opens nozzle	22a. To release water pressure
23. Nozzle person removes nozzle and hands male coupling to hose handler	23a. Turning coupling on nozzle b. Removing nozzle from hose
24. Clamp/Brass person hands 1 1/2 inch water tee to hose handler who installs tee	24a. Between lengths of hose b. At end of first 100 feet length of line c. Checking for gaskets d. Checking threads for damage and cleanliness e. At every 200 feet or as needed thereafter
25. Repeat steps 4 through 24 while steps 26 through 29 are completed	25a. Until hoselay is completed at 1000 feet long
26. Captain directs crewmember to lay a lateral line	26a. Hose handler with 1 inch hose b. 100 foot length
27. Hose handler unrolls 1 inch lateral	27a. Parallel to charged hoseline b. Not towards fire
28. Crewmember connects lateral to tee and 1 inch nozzle	28a. Checking threads b. Checking for gaskets
29. Crewmember extends lateral	29a. Perpendicular to charged hoseline b. While holding nozzle c. Fully extended d. Crewmember staying with nozzle
30. Captain advises crew to stop	30a. Forward progress of hoselay b. When hoselay is 1000 feet long
STOP TIME	



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OPERATIONS	KEY POINTS
31. Captain advises crew to breakdown hoseline	
32. Crewmembers disconnect/uncouple hose sections	
33. Crewmembers drain hoses	33a. Lay couplings downhill b. Draining all water out of hose
34. Remove all hose appliances	34a. From hose connections b. Will be returned to starting point
35. Carry hose back to the starting point	35a. Accordion shoulder or butterfly hose carry b. As quickly as safety will allow c. No more than 2 lengths per person
36. Roll all hose	36a. Using two person teams



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APPLICATION:

The fire crew will practice making a progressive hoselay under fire captain/instructor supervision.

EVALUATION:

The fire crew will complete a manipulative performance test at a time determined by the instructor.

ASSIGNMENT:

Practice making a progressive hoselay in preparation for the upcoming performance test.